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(54) Title: FAST-SETTING POURABLE MORTARS WITH HIGH FLUIDITY

(57) Abstract: Described herein are new cementitious mortars with a high degree of fluidity and short consolidation times. The mortars contain water, a fast-setting cement, fluidifiers and/or superfluidifiers, setting regulators and aggregates having a specific granulometric distribution. The aggregates are made up of two fractions with different grain size such that the ratio between the characteristic grain diameters of the two fractions is comprised between 2.2 and 3.2. The new mortars thus obtained have values of fluidity 2-3 times higher than those of mortars produced with traditional aggregates; the increase in fluidity is obtained without increasing the water/cement ratio and without increasing the amount of fluidifiers present. The mortars produced according to the invention may be used to advantage in all applications in which it is required to associate a high degree of fluidity and a rapid consolidation.

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